10.0 DELIVERABLES

The following deliverables will be provided under this project:

Analytical Data

- Expedited preliminary data turnaround time (<5 days) will be provided on the following list of compounds/tests:

coliform bacteria	aluminum
bis(2-ethylhexyl) phthalate (DEHP)	arsenic
ethylene glycol	lithium
2-methoxyethanol (Ethylene glycol monomethyl ether)	manganese
methane	sodium
2,2'oxybisethanol (diethylene glycol)	iron
triethylene glycol	

Top 4 Immediate Response

From OHPP site "hot list"

- With exceptions listed above, preliminary unvalidated data will be provided to the EPA OSC within 15 business days after receipt of the samples at the laboratory.

- A Data Validation Report will be provided to the EPA OSC within approximately 21 days of receipt of the laboratory analytical data package by TechLaw.

- TechLaw will incorporate the validated data from this sampling event into a Trip Report and/or After Action Report for the project.

11.0 REFERENCES

EPA, 2011. U.S. Environmental Protection Agency, *Contract Laboratory Program (CLP) Guidance for Field Samplers, Final*, Office of Solid Waste and Emergency Response (OSWER) publication EPA540-R-07-006, Washington, D.C. January.

ERT, 1994. U.S. Environmental Protection Agency Environmental Response Team. Standard Operating Procedure for Surface Water Sampling, SOP# 2013. January 26.

ERT, 1995. U.S. Environmental Protection Agency Environmental Response Team. Standard Operating Procedure for Groundwater Well Sampling, SOP# 2007. January 26.

Isotech, 2011. Isotech Laboratories, Inc., Collection of Ground Water Samples from Domestic and Municipal Water Wells for Dissolved Gas Analysis, Website Accessed December 2011: < http://www.isotechlabs.com/customersupport/samplingprocedures/DGbottle.pdf>

Jan 30, 2012

Expedited TATs for Dimock
Nance, Gene
to:
Dan Slizys, John Kwedar, Carroll Harris
01/12/2012 12:37 PM
Cc:
Fred Foreman, Stevie Wilding, Kevin Martin, Cynthia Caporale, "Graves, Suddha", Richard Rupert, "Carter, Joe"
Hide Details
From: "Nance, Gene" <Gnance@TechLawInc.com> Sort List...

To: Dan Slizys/ESC/R3/USEPA/US, John Kwedar/ESC/R3/USEPA/US@EPA, Carroll Harris/ESC/R3/USEPA/US@EPA

Cc: Fred Foreman/ESC/R3/USEPA/US@EPA, Stevie Wilding/ESC/R3/USEPA/US, Kevin Martin/ESC/R3/USEPA/US@EPA, Cynthia Caporale/ESC/R3/USEPA/US@EPA, "Graves, Suddha" <Sgraves@TechLawInc.com>, Richard Rupert/R3/USEPA/US, "Carter, Joe" <Jcarter@TechLawInc.com>

1 Attachment

Dimock_OASQA_DAS Request_REV01_01122012.doc

Dan,
Attached is a revision/clarification of the DAS analytical request for Dimock. OSC Rupert clarified that the expedited TAT needed for the specified list of parameters should be 5 days. Also, I omitted the RSK-175 parameters from the list of compounds/analytes requiring expedited TATs (mentioned in 'Special Instructions' box of initial request).

To summarize, a 5-day TAT for preliminary results is desired/requested for the following compounds/analytes:

- Methane, ethane, ethene (RSK-175);
- bis(2-ethylhexyl) phthalate (DEHP) (part of SVOC analysis by OLC03.2);
- aluminum, arsenic, lithium, manganese, sodium, iron (part of total metals analysis);
- 2-methoxyethanol (Ethylene glycol monomethyl ether);

ISOTECH®
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Meeden
Jan 30, 2012

Collection of Ground Water Samples from Domestic and Municipal Water Wells for Dissolved Gas Analysis

These instructions are based on sampling protocol created by Anthony Gorody, adopted by the Colorado Oil and Gas Conservation Commission, and are reproduced here with their permission.

The basic technique is to fill a white 5 gallon bucket with source water and then fill the 1 liter sample collection bottle fully immersed in the bucket.

When sampling from a pressurized water system, it is recommended to use an outdoor spigot or other source which bypasses any water treatment systems (i.e. water softeners, etc.).

To collect a sample for isotopic and chromatographic analysis from water that is not effervescent, using 1L bottle with septum cap:

After purging the well, fill the 5 gallon bucket with water. Attach a nozzle and 12" length of ¼ inch diameter tubing to the end of the 5/8 inch hose connected to a faucet. Make sure that the flow rates through the tubing are low. Remove the cap of the 1 L bottle and fill it with water. Once the bottle filled, immerse it in the 5 gallon bucket full of water, keeping the tubing at the bottom of the bottle. Place the bottle at the bottom of the bucket under a head of water, and keep water flowing at a low rate until another 2 volumes of water have been displaced from the bottle. Then slowly lift the tubing out of the bottle and immediately cap it under water. No air should be allowed into the 1 L bottle. When finished, tape the cap to the bottle around the neck, pack the bottle upside down in ice, and ship it overnight.

To collect a headspace gas sample from an effervescent water well:

Fill the bottle with water. Submerge the bottle into the 5 gallon bucket filled with well water and invert it. Insert the ¼ inch tubing into the bottle, increase the flow rate to 2-3 gpm and allow the bubbling gases to displace water in a headspace until 1/4 to 1/2 of the water in the bottle has been displaced. Seal the container under water with the septum and screw cap, tighten it securely. When finished, tape the cap to the bottle around the neck, pack the bottle upside down in ice, and ship it overnight.

Please note Isotech's receiving hours of **Monday thru Friday** 8:00 am to 4:30 pm.
Ship samples to:

Isotech Laboratories, Inc.
1308 Parkland Court
Champaign, IL 61821

These instructions have been provided to simplify the collection of samples for dissolved gas analysis. Although we try to foresee and avoid problems in the field, it is never possible to predict every situation. If you encounter any difficulties, or if any additions or changes in these instructions would be beneficial, please let us know. Isotech Laboratories, Inc. makes no warrantee as to the applicability and/or safety of the procedures described herein.

Property ID	NAME LAST	NAME FIRST	TENANT	Mailing_ADDRESS	Location_Address1	Location_Address2
HW-1						
HW-2						
HW-3						
HW-4						
HW-5						
HW-6						
HW-7a						
HW-7b						
HW-8a						
HW-8b						
HW-9						
HW-10						
HW-11						
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HW-15a						
HW-15b						
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HW-18						
HW-19						

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